Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/28/2019 01:12 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124117	-1	2.05	124170	2.04
Blue	F	SSC	125000	123442	-2	1.60	124143	1.55
Blue	E	FITC	16433	15901	-4	2.70	346	19.25
Blue	D	PE	27595	27006	-3	1.87	588	14.37
Blue	B	PerCP-Cy5-5	43183	42137	-3	3.55	1134	19.61
Blue	A	PE-Cy7	31943	31838	-1	5.97	618	39.58
Red	C	APC	42819	42126	-2	2.35	1482	12.30
Red	A	APC-Cy7	31261	29974	-5	2.33	793	11.59
Violet	B	V450	6527	6226	-5	4.26	354	12.73
Violet	A	V500	24533	23403	-5	4.00	548	10.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17730	11.00	612	12	N/A	N/A	Pass
Blue	F	SSC	56596	1.15	554	6	N/A	N/A	Pass
Blue	E	FITC	63	63.54	540	1	0.0226	159	Pass
Blue	D	PE	121	49.42	537	3	0.1752	281	Pass
Blue	B	PerCP-Cy5-5	210	48.71	648	6	0.0099	81	Pass
Blue	A	PE-Cy7	115	98.20	697	8	0.0115	17	Pass
Red	C	APC	353	25.04	580	-3	0.0232	78	Pass
Red	A	APC-Cy7	175	28.24	558	-5	0.0060	1106	Pass
Violet	B	V450	55	58.24	450	-5	0.0594	2431	Pass
Violet	A	V500	82	31.77	461	-6	0.0227	508	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	11/28/2019 01:12 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.27	-31.89	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.10	13.60 - 20.40	N/A	N/A	29.57	29.95	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11032

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments